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Concl'd*

²¹
~~61~~. The device of claim ²⁰~~60~~, wherein said second waveguide is positioned vertically on top of said first waveguide.

²²
~~62~~. The device of claim ¹⁵~~55~~, further comprising a substrate.

²³
~~63~~. The device of claim ¹⁵~~55~~, wherein said device comprises a laser.

²⁴
~~64~~. The device of claim ²³~~63~~, wherein said laser comprises at least one quantum well.

²⁵
~~65~~. The device of claim ¹⁵~~55~~, wherein at least one of said first waveguide and said second waveguide comprise a grating for reflecting selected frequencies of light.

²⁶
~~66~~. The device of claim ¹⁵~~55~~, wherein said device comprises at least one of the following: an optical amplifier and an optical detector.

²⁷
~~67~~. The device of claim ¹⁵~~55~~, wherein said device is a photonic integrated circuit.

REMARKS

The purpose of this amendment is to place the application claims in condition for examination.

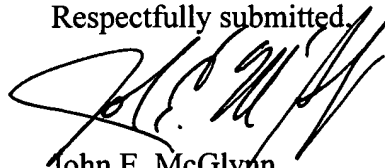
An expediant and favorable first office action is respectfully solicited.

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PATENT

Respectfully submitted,



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FOOTNOTES - 101801